

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 10/21/99 are:A. ☒ approved by the Draftsperson under 37 CFR 1.84 or 1.152.B. ☐ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. **DRAWINGS.** 37 CFR 1.84(a): Acceptable categories of drawings:
 Black ink. Color.
 Color drawings are not acceptable until pen is granted.
 Fig(s) _____
 Pencil and non-black ink not permitted. Fig(s) _____
 2. **PHOTOGRAPHS.** 37 CFR 1.84(b):
 1 full-tone set is required. Fig(s) _____
 Photographs may not be mounted. 37 CFR 1.84(c)
 Poor quality (halftone). Fig(s) _____
 3. **TYPE OF PAPER.** 37 CFR 1.84(c):
 Paper not flexible, strong, white, and durable.
 Fig(s) _____
 Erasures, alterations, overwritings, line (lineations),
 folds, copy machine marks not accepted. Fig(s) _____
 Mylar, vellum paper is not acceptable (too thin).
 Fig(s) _____
 4. **SIZE OF PAPER.** 37 CFR 1.84(f): Acceptable sizes:
 21.0 cm by 29.7 cm (DIN size A4)
 21.0 cm by 27.9 cm (8 1/2 x 11 inches)
 All drawing sheets not the same size.
 Sheet(s) _____
 Drawings sheets not an acceptable size. Fig(s) _____
 5. **MARGINS.** 37 CFR 1.84(g): Acceptable margins:
 Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
 SIZE: A4 Size
 Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
 SIZE: 8 1/2 x 11
 Margins not acceptable. Fig(s) _____
 Top (T) _____ Left (L) _____
 Right (R) _____ Bottom (B) _____
 6. **VIEWS.** 37 CFR 1.84(h):
 REMINDER: Specification may require revision to
 correspond to drawing changes.
 Partial views. 37 CFR 1.84(h)(2).
 Brackets needed to show figure as one entity.
 Fig(s) _____
 Views not labeled separately or properly.
 Fig(s) _____
 Enlarged view not labeled separately or properly.
 Fig(s) _____
 7. **SECTIONAL VIEWS.** 37 CFR 1.84(h)(3):
 Hatching not indicated for sectional portions of an object.
 Fig(s) _____
 Sectional designation should be noted with Arabic or
 Roman numbers. Fig(s) _____
 8. **ARRANGEMENT OF VIEWS.** 37 CFR 1.84(i):
 Views do not appear on a horizontal, left-to-right fashion
 when page is either upright or turned so that the top
 becomes the right side, except for graphs. Fig(s) _____
 9. **SCALE.** 37 CFR 1.84(j):
 Scale not large enough to show mechanism without
 crowding when drawing is reduced in size to two-thirds in
 reproduction.
 Fig(s) _____
 10. **CHARACTER OF LINES, NUMBERS, & LETTERS.**
 37 CFR 1.84(k):
 Lines, numbers & letters not uniformly thick and well
 defined, clean, durable, and black (spot line quality).
 Fig(s) Fig 2
 11. **SHADING.** 37 CFR 1.84(m):
 Solid black areas pale. Fig(s) _____
 Solid black shading not permitted. Fig(s) _____
 Shade lines, pale, faint, and blurred. Fig(s) _____
 12. **NUMBERS, LETTERS, & REFERENCE CHARACTERS.**
 37 CFR 1.84(p):
 Numbers and reference characters not plain and legible.
 Fig(s) _____
 Figure legends are poor. Fig(s) _____
 Numbers and reference characters not oriented in the
 same direction as the view. 37 CFR 1.84(p)(1)
 Fig(s) _____
 English alphabet not used. 37 CFR 1.84(p)(2)
 Fig(s) _____
 Numbers, letters and reference characters must be at least
 22 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)
 Fig(s) _____
 13. **LEAD LINES.** 37 CFR 1.84(q):
 Lead lines cross each other. Fig(s) _____
 Lead lines missing. Fig(s) _____
 14. **NUMBERING OF SHEETS OF DRAWINGS.** 37 CFR 1.84(h):
 Sheets not numbered consecutively, and in Arabic numerals
 beginning with number 1. Sheet(s) _____
 15. **NUMBERING OF VIEWS.** 37 CFR 1.84(h):
 Views not numbered consecutively, and in Arabic numerals,
 beginning with number 1. Fig(s) _____
 16. **CORRECTIONS.** 37 CFR 1.84(s):
 Corrections not made from prior PTO 948
 dated _____
 17. **DESIGN DRAWINGS.** 37 CFR 1.152:
 Surface shading shown not appropriate. Fig(s) _____
 Solid black shading not used for color contrast.
 Fig(s) _____

COMMENTS

REVIEWER Craftsman Son Lam DATE 02/07/02 TELEPHONE NO. _____

ATTACHMENT TO PAPER NO. _____

The bel w text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities -- 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may **NOT** be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made other than correction of informalities, unless the examiner has approved the proposed changes.

Timing of Corrections

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a)

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.